

Title (en)

Method and arrangement for automatic bow adjustment of venetian blind slats

Title (de)

Verfahren und Anlage zur automatischen Krümmungsanpassung von Jalousielamelle

Title (fr)

Procédé et dispositif de réglage automatique de lamelles de stores vénitiens

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Application

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Abstract (en)

The present invention relates to a method for automatic bow adjustment for a venetian blind assembly machine, said bow adjustment station comprising rollers (48; 104, 106) for guiding, bending and levelling a strip material (43; 112), and further comprising a forming section (36; 102) where mating concave and convex upper and lower form rollers (50; 108, 110) are arranged for creating a transverse curvature in the strip material, further comprises the steps of: providing levelling through means for offsetting (34; 100, 102) in order to straighten the bow of the strip material (43; 112) within a predetermined deviation on a predetermined length of strip material; measuring the deviation through optical means (146) providing a deviation signal; and adjusting the levelling by said means for offsetting (34; 100) through the deviation signal, if said measured deviation exceeds a predetermined deviation, in order to keep the deviation within said predetermined deviation. In addition, the present invention also relates to an arrangement for automatic bow adjustment for a venetian blind assembly machine. An advantage over prior art is that the bow adjustment is better controlled, the adjustments can be done with an increasing rapidity and a decreased wastage of strip material is obtained. <IMAGE>

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